

In the Claims

Please amend claims as follows:

1-11. (Cancelled).

12. (New) A fault current limiter for limiting current faults in an electrical network, comprising:

a series of phase coils located adjacent a superconductive coil for fault current limiting phase faults within the network; and

a series of neutral coils located adjacent the superconductive coil for fault current limiting neutral earthing faults in the electrical network.

13. (New) A fault current limiter as claimed in claim 12, wherein the neutral coils are formed around a high permeability core.

14. (New) A fault current limiter as claimed in claim 12, wherein the superconductive coil encompasses a central core formed from a high permeability material.

15. (New) A fault current limiter as claimed in claim 14, wherein the phase coils and the neutral coils are magnetically coupled to the central core.

16. (New) A method of current limiting earthing faults in an electrical network, comprising the steps of:

utilizing a fault current limiter between the electrical network and ground.

17. (New) A method of current limiting faults in a multi-phase electrical network, comprising the steps of:

(a) coupling a superconductive phase fault current limiter between each phase of the

electrical network and a transformer; and

(b) coupling a superconductive neutral fault current limiter between the neutral of the transformer and the neutral of the network.

18. (New) A method as claimed in claim 17, wherein the superconductive phase fault current limiters and the superconductive neutral fault current limiter share the same cryostat.

19. (New) A method as claimed in claim 17, wherein the superconductive phase fault current limiters and the superconductive neutral fault current limiter share the same superconductive coil.